

LIST OF PLANTS REPORTED TO BE POISONOUS TO ANIMALS IN THE UNITED STATES

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The following table contains a list of plants known to poison animals in the United States. It is organized into three categories; mechanically injurious plants, photosensitizers, and plants poisonous by ingestion. Each category is further organized alphabetically by family and by species within each family. The common name(s) is preceded by the species name. In many cases, an entire list of common names used for a particular species was not included. An attempt was made, however, to include the most widely used common names. The distribution for each species may vary within its geographical range. These designations are included only as a general guide. More detailed distributions can be found in local floras.

It is important to note that animal groups other than those listed here may also be susceptible to a particular plant species, although no records may exist in the literature. Only those plants reported to poison animals in the United States are considered here. It is also noteworthy that the frequency of reported cases may vary from region to region. An appendix is attached, listing the grass species known to be infested with the ergot fungus (*Claviceps* spp.) or to cause symptoms of grass tetany.

MECHANICAL INJURY

<u>Family/Scientific name</u>	<u>Common name</u>	<u>Cause of Injury</u>
Euphorbiaceae		
<i>Eremocarpus setigerus</i>	turkey mullein, dove weed	hairballs
Gramineae (Poaceae)		
<i>Aristida</i> spp.	poverty grass, three-awned grass	awns
<i>Bromus diandrus</i> (= <i>B. rigidus</i>)	ripgut grass	awns
<i>Hordeum jubatum</i>	squirreltail barley	barbed awns
<i>Setaria lutescens</i> (= <i>S. glaucum</i>)	yellow foxtail, foxtail grass	mucous erosion from barbs
<i>Stipa</i> spp.	needle grass	awns
Leguminosae (Fabaceae)		
<i>Pisum sativum</i>	pea, pea straw hay	impaction
<i>Trifolium incarnatum</i>	crimson clover	hairballs
Ranunculaceae		hairballs
<i>Anemone patens</i>	anemone	
Rosaceae		
<i>Rubus</i> spp.	blackberry	fruit lodged in nasal passages

PHOTOSENSITIZING PLANTS**Primary**

<u>Family/Scientific name</u>	<u>Common name</u>	<u>Geographical Range in U.S.</u>	<u>Animals reported to be poisoned</u>	<u>Frequency of reported cases</u>
Hypericaceae <i>Hypericum perforatum</i>	St. Johnswort, Klamath weed	northwest	mainly cattle, also horses, sheep, goats	occasional
Polygonaceae <i>Fagopyrum sagittatum</i>	buckwheat	north and west	all classes	rare
<i>Polygonum</i> spp.	smartweed, knotweed	throughout	cattle	rare

Hepatogenic

<u>Family/Scientific name</u>	<u>Common name</u>	<u>Geographical Range in U.S.</u>	<u>Animals reported to be poisoned</u>	<u>Frequency of reported cases</u>
Agavaceae <i>Agave lecheguilla</i>	lechuguilla	southwest	sheep, goats	occasional
<i>Nolina texana</i>	sacahuiste	southwest	sheep, goats	occasional
<i>Nolina microcarpa</i>	sacahuiste	southwest	sheep, goats	occasional
Compositae (Asteraceae) <i>Tetradymia</i> spp.	horsebrush	west	sheep	Common
Cruciferae (Brassicaceae) <i>Brassica napus</i>	rape, mustard	north	cattle, sheep	infrequent
Gramineae (Poaceae) <i>Cynodon dactylon</i>	bermudagrass	throughout	cattle	rare
<i>Panicum</i> spp.	panic grass, panicum	throughout	sheep	rare
Umbelliferae (Apiaceae) <i>Ammi majus</i>	bishop's weed	southwest and west	all classes	rare
<i>Cymopterus watsonii</i>	spring parsley	Great Basin states, Nevada, Utah, etc.	cattle, sheep, fowl	infrequent

<u>Family/Scientific name</u>	<u>Common name</u>	<u>Geographical Range in U.S.</u>	<u>Animals reported to be poisoned</u>	<u>Frequency of reported cases</u>
Verbenaceae <i>Lantana</i> spp.	lantana	cultivated throughout	cattle, sheep	occasional
Zygophyllaceae <i>Tribulus terrestris</i>	puncture vine, caltrop	south and west	sheep	rare

POISONING FROM INGESTION

<u>Division/Family/Scientific name</u>	<u>Common name</u>	<u>Geographical Range</u>	<u>Animals reported to be poisoned</u>	<u>Frequency of reported cases</u>
CYANOPHYTA				
<i>Anabaena flos-aquae</i>	Annie	throughout	all classes	occasional
<i>Anabaena torulosa</i>	Annie	throughout	all classes	rare
<i>Aphanizomenon flos-aquae</i>	Fannie	throughout	all classes	occasional
<i>Coelosphaerium kuetzingianum</i>	---	throughout	all classes	rare
<i>Gloeotrichia echinulata</i>	---	throughout	all classes	rare
<i>Lyngbya birgei</i>	---	throughout	all classes	rare
<i>Microcystis aeruginosa</i>	Mike	throughout	all classes	occasional
<i>Microcystis incerta</i>	Mike	throughout	all classes	rare
<i>Nodularia spumigena</i>	---	throughout	all classes	rare
<i>Nostoc rivulare</i>	---	throughout	all classes	rare
PYRRHOPHYTA (Dinoflagellates)				
<i>Gonyaulax</i> spp.	shellfish poisoner	throughout coastal US	all classes	rare
<i>Gymnodinium</i> spp.	shellfish poisoner	throughout coastal US	all classes	rare
<i>Ptychodiscus brevis</i>	shellfish poisoner	Gulf of Mexico	all classes	rare

<u>Division/Family/Scientific name</u>	<u>Common name</u>	<u>Geographical Range</u>	<u>Animals reported to be poisoned</u>	<u>Frequency of reported cases</u>
MYCOTA (Fungi)				
<u>Ascomycetes</u>				
<i>Claviceps cinerea</i>	ergot	Texas	all classes, esp. cattle	rare
<i>Claviceps paspali</i>	ergot	south	all classes, esp. cattle	common
<i>Claviceps purpurea</i>	ergot	northeast, east, midwest, and California	all classes, esp. cattle	common
<i>Gibberella zeae</i> (= <i>Fusarium roseum</i>)	corn root rot	east, central and south	swine	rare
<u>Basidiomycetes</u>				
<i>Amanita</i> spp.	death angels, death cups, etc.	throughout	cattle, pets, esp. dogs	rare
<i>Gyromitra esculenta</i> (= <i>Helvella esculenta</i>)	false morel	throughout	cattle, pets, esp. dogs	rare
<i>Lactarius torminosus</i>	lactarius	throughout , esp. east	all classes	rare
<i>Entoloma lividum</i> (= <i>Rhodophyllus sinuatus</i>)	entoloma	throughout	all classes	rare
<i>Tricholoma paradinum</i>	tricholoma	west	all classes	rare
<u>Fungi imperfect</u>				
<i>Aspergillus flavus</i>	aspergillus	throughout	all classes, except Sheep	common
<i>Penicillium rubrum</i>	penicillium	throughout	cattle, sheep, fowl	common
<i>Stachybotrys atra</i>	stachybotrys	throughout	horses	common
<u>Lichens</u>				
<i>Parmelia molliuscula</i>	ground lichen	midwest and north	cattle, sheep	infrequent

<u>Division/Family/Scientific name</u>	<u>Common name</u>	<u>Geographical Range</u>	<u>Animals reported to be poisoned</u>	<u>Frequency of reported cases</u>
PTERIDOPHYTA (Ferns)				
<i>Dryopteris felix-mas</i> (= <i>Aspidium felix-mas</i>)	male fern	northeast and west	cattle, horses	rare
<i>Notholaena sinuata</i> var. <i>cochisensis</i>	Jimmy fern, cloak fern	southwest	mainly sheep, also cattle, goats	occasional
<i>Onoclea sensibilis</i>	sensitive fern, meadow fern	east and south	horses	rare
<i>Pteridium aquilinum</i>	bracken fern, brake fern	throughout	cattle, horses, some sheep	common
SPHENOPHYTA (Horsetails)				
<i>Equisetum arvense</i>	horsetail, scouring rush jointed rush, foxtail	throughout	all classes, esp. horses	infrequent
<i>Equisetum palustre</i>	horsetail, scouring rush, foxtail	throughout	all classes, esp. cattle	infrequent
GYMNOSPERMS				
Conifers				
Cupressaceae				
<i>Cupressus macrocarpa</i>	Monterey cypress, Macrocarpa	California	cattle	infrequent
<i>Juniper virginiana</i>	juniper	central to east	cattle, sheep, horses	rare
Pinaceae				
<i>Pinus ponderosa</i>	Ponderosa pine, western yellow pine	west	cattle	occasional

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Taxaceae <i>Taxus</i> spp.	yew	cultivated and native throughout	cattle, horse	rare
Cycads				
Cycadaceae <i>Zamia integrifolia</i>	coonties, Florida arrow root	Florida	cattle	rare
ANGIOSPERMS (Flowering plants)				
Aceraceae <i>Acer rubrum</i>	red maple, swamp maple	east	cattle, horses	rare
Amaranthaceae <i>Amaranthus</i> spp.	pigweed, carelessweed	throughout	cattle, swine	infrequent
Amaryllidaceae <i>Zephyranthes atamasco</i>	atamasco lily, rain lily	throughout , mainly south	cattle, horses, swine	infrequent
Anacardiaceae <i>Toxicodendron diversilobum</i> <i>Toxicodendron radicans</i> <i>Toxicodendron vernix</i>	western poison oak poison ivy, poison vine, markweed poison sumac	west midwest and east mideast and east	all classes all classes all classes	rare rare rare
Apocynaceae <i>Apocynum androsaemifolium</i> <i>Apocynum cannabinum</i> <i>Nerium oleander</i>	spreading dogbane Indian hemp, dogbane oleander	throughout west cultivated in south, west and tropical US	all classes all classes all classes	rare rare occasional

<u>Division/Family/Scientific name</u>	<u>Common name</u>	<u>Geographical Range</u>	<u>Animals reported to be poisoned</u>	<u>Frequency of reported cases</u>
<i>Thevetia peruviana</i>	yellow oleander,	tropics	all classes	rare
<i>Vinca</i> spp.	be-still tree periwinkle	cultivated in south and Hawaii	all classes	rare
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Araceae				
<i>Arisaema</i> spp.	Jack-in-the-pulpit	east	cattle, sheep, swine, goats	rare
<i>Dieffenbachia</i> spp.	dumbcane	cultivated throughout	pets	common
<i>Philodendron</i> spp.	philodendron	cultivated throughout	pets, esp. cats	common
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Araliaceae				
<i>Aralia spinosa</i>	Hercules club, devils walking stick, angelica tree	east and mideast	all classes	rare
<i>Hedera canariensis</i>	Algerian ivy	cultivated throughout	all classes	rare
<i>Hedera helix</i>	English ivy	cultivated throughout	all classes	rare
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Asclepiadaceae				
<i>Asclepias</i> spp.	milkweed	throughout	all classes	occasional
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Berberidaceae (= Podophyllaceae)				
<i>Podophyllum peltatum</i>	mayapple, mandrake	mideast and east	all classes	rare
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Boraginaceae				
<i>Amsinckia intermedia</i>	coastal fiddleneck, Tarweed	west	mainly horses, also cattle and swine	common
<i>Cynoglossum officinale</i>	hounds tongue	throughout	cattle, sheep, horses	rare
<i>Echium</i> spp.	viper's bugloss	California	sheep, horses, pets	rare

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<i>Heliotropium europaeum</i>	heliotrope	throughout	cattle, sheep, swine, fowl	infrequent
Buxaceae <i>Buxus sempervirens</i>	common box	cultivated throughout	sheep	rare
Calycanthaceae <i>Calycanthus fertilis</i>	Carolina allspice	southeast	cattle	rare
Campanulaceae <i>Lobelia</i> spp.	lobelia, cardinal flower, Indian tobacco	cultivated and native throughout	cattle, sheep	rare
Cannabaceae <i>Cannabis</i> spp.	marijuana, hemp, etc.	throughout, esp. north	pets, esp. dogs	rare
Capparidaceae <i>Wislizenia refracta</i>	jackassclover	southwest	cattle, sheep, horses	rare
Caprifoliaceae <i>Sambucus</i> spp.	elderberry, elder	throughout	cattle, swine	rare
Caryophyllaceae <i>Agrostemma githago</i>	corn cockle	throughout	all classes, esp. fowl and swine	infrequent
<i>Drymaria arenarioides</i>	alfombrilla	southwest	all classes, except Horses	occasional
<i>Drymaria pachyphylla</i>	inkweed, drymary	southwest	all classes, except Horses	occasional
<i>Saponaria officinalis</i>	bouncing bet	throughout	all classes	rare
Celastraceae <i>Celastrus scandens</i>	climbing bittersweet	central to east	esp. horses, also cattle and sheep	rare

<u>Division/Family/Scientific name</u>	<u>Common name</u>	<u>Geographical Range</u>	<u>Animals reported to be poisoned</u>	<u>Frequency of reported cases</u>
Chenopodiaceae				
<i>Atriplex</i> spp.	saltbush	throughout	cattle, sheep	rare
<i>Bassia hyssopifolia</i>	fivehook bassia	east and west	sheep	rare
<i>Beta vulgaris</i>	beet, sugar beet, fodder beet, mangel, mangel-wurzel, mangold	cultivated throughout	cattle, sheep	infrequent
<i>Chenopodium album</i>	common lambsquarter	throughout	sheep, swine	infrequent
<i>Chenopodium ambrosioides</i>	wormseed	east	fowl	rare
<i>Chenopodium</i> spp.	goosefoot	throughout	all classes	rare
<i>Halogeton glomeratus</i>	halogeton, barilla	western Great Basin states	sheep	common
<i>Kochia scoparia</i>	burning bush, summer cypress, Mexican fireweed	throughout, esp. west	cattle, sheep, horses	rare
<i>Salsola australis</i> (= <i>S. petifera</i> , <i>S. kali</i> , <i>S. iberica</i>)	Russian thistle, tumbleweed	north, midwest, and west	all classes	infrequent
<i>Sarcobatus vermiculatus</i>	greasewod	west	sheep	occasional
<i>Suckleya suckleyana</i>	poison suckleya	Rocky Mountain states	cattle, sheep	rare
Compositae (Asteraceae)				
<i>Achillea</i> spp.	yarrow	throughout	cattle	rare
<i>Anthemis cotula</i>	dog fennel, mayweed, mayweed chamomil,	throughout	fowl	rare
<i>Artemisia filifolia</i>	sand sagebrush	midwest and west	horses	rare
<i>Artemisia tridentata</i>	big sagebrush	west	sheep, horses	rare

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<i>Aster</i> spp.	aster	throughout	sheep	rare
<i>Baccharis pteronioides</i>	yerba-de-pasmo	southwest	cattle, sheep	rare
<i>Baccharis</i> spp.	coyotebrush, Silvering, false-willow	throughout	cattle, sheep, fowl	rare
<i>Bahia oppositifolia</i>	plains bahia	west	cattle	rare
<i>Baileya multiradiata</i>	desert baileya, cloth of gold	southwest	sheep, goats	occasional
<i>Centaurea solstitialis</i>	yellow star thistle	south, east and west	horses	common
<i>Chrysothamnus nauseosus</i>	rubber rabbitbrush	west	cattle, sheep, horses	rare
<i>Conyza coulteri</i>	conyza	southwest	cattle	rare
<i>Eupatorium rugosum</i>	white snakeroot, Richweed	east to Texas	cattle, horses	occasional
<i>Eupatorium wrightii</i> (= <i>Isocoma wrightii</i>)	rayless goldenrod, snakeroot	southwest	cattle	occasional
<i>Flourensia cernua</i>	tarbush, blackbrush	southwest	cattle, sheep, goats	rare
<i>Franseria discolor</i>	white ragweed	west	cattle, sheep, horses	rare
<i>Grindelia</i> spp.	gumweed	west	cattle, sheep, horses	rare
<i>Gutierrezia microcephala</i> (= <i>Xanthocephalum microcephala</i>)	broomweed, perennial southwest, also westcattle, snake weed, slinkweed, turpentine weed		sheep, goats	common
<i>Haplopappus heterophyllus</i>	rayless goldenrod, Jimmyweed, burrow weed	southwest	cattle, sheep, horses	occasional

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<i>Helenium</i> spp.	sneezeweed	west and east cattle and goats	esp. sheep, also	common
<i>Hymenoxys odorata</i>	bitterweed, bitter Rubberweed	southwest	all classes, esp. sheep	common
<i>Hymenoxys richardsonii</i>	pingue, Colorado rubberweed	southwest Canada to Texas and Arizona	esp. sheep, also cattle and goats	common
<i>Hymenoxys lemmonii</i>	rubberweed	southwest	sheep	common
<i>Iva angustifolia</i>	narrowleaf sumpweed	south	cattle	rare
<i>Lactuca serriola</i> (= <i>Lactuca scariola</i>)	prickly lettuce, wild lettuce	throughout	cattle	rare
<i>Oxytenia acerosa</i> (= <i>Iva acerosa</i>)	copperweed	southwest	cattle, sheep	occasional
<i>Psathyrotes annua</i>	paperflower, Psathyrotes	southwest	sheep	rare
<i>Psilostrophe</i> spp.	paperflower	southwest	sheep	infrequent
<i>Rudbeckia laciniata</i>	golden glow, cone flower, thimbleweed	midwest to east	horse, sheep, swine	infrequent
<i>Sartwellia flaveriae</i>	sartwellia	southwest	cattle, sheep, goats	rare
<i>Senecio</i> spp.	groundsel, ragwort, Bitterweed	throughout	all classes, esp. horses	common
<i>Silybum marianum</i>	milk thistle, bull thistle, variegated thistle, St. Mary's thistle	California	esp. cattle, also sheep	infrequent
<i>Solidago</i> spp.	goldenrod	throughout	cattle, sheep, horses	infrequent

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<i>Tanacetum vulgare</i>	tansy	throughout	cattle	rare
<i>Tetradymia canescens</i>	spineless horsebrush	west	sheep	common
<i>Tetradymia glabrata</i>	littleleaf horsebrush, spring rabbitbrush, coal oil brush	west	sheep	common
<i>Viguiera annua</i>	annual goldeneye	southwest	cattle	rare
<i>Xanthium</i> spp.	cocklebur, clotbur	throughout	cattle, swine, fowl	occasional
<i>Xylorrhiza</i> spp.	woody aster	west	sheep	occasional
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Crassulaceae				
<i>Cotyledon</i> spp.	cotyledon	occas. cultivated in US	goats	rare
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Cruciferae (Brassicaceae)				
<i>Armoracia lapathifolia</i>	horseradish	east, midwest and occas. West	cattle, horses, swine	rare
<i>Brassica</i> spp.	mustard, wild mustard	throughout	cattle, sheep, swine	occasional
<i>Descurainia pinnata</i>	tansy mustard	south and southwest	cattle, horses	infrequent
<i>Erysimum cheiranthoides</i>	wormseed mustard	throughout	swine	rare
<i>Raphanus</i> spp.	radish, wild radish	throughout	cattle, sheep	rare
<i>Stanleya pinnata</i>	prince's plume	midwest to southwest	all classes	rare
<i>Thlaspi arvense</i>	fanweed, field pennycress, pennycress mustard	throughout	all classes	rare

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Cucurbitaceae <i>Momordica charantia</i>	balsam pear, balsam apple, bitter gourd	southeast	dogs	rare
Cuscutaceae <i>Cuscuta</i> spp.	dodder	throughout	cattle, horses	rare
Cyperaceae <i>Scirpus americanus</i>	bulrush, three-square	throughout	cattle	rare
Datisceae <i>Datisca glomerata</i>	durango root	California	cattle, sheep	rare
Ericaceae <i>Kalmia</i> spp.	lambkill, sheepkill, calfkill, laurel, wicky, calico bush, ivy bush	throughout	all classes, esp. sheep	infrequent
<i>Ledum</i> spp. <i>Leucothoe</i> spp.	Labrador tea laurel, black laurel, fetter bush	west throughout	all classes, esp. sheep all classes, esp. sheep	rare rare
<i>Lyonia</i> spp.	male berry, male blueberry, huckleberry staggerbush	east	all classes	rare
<i>Menziesia ferriginea</i>	mock azalea, rustyleaf, fools Huckleberry Huckleberry	west	all classes, esp. sheep	rare
<i>Pieris japonica</i>	Japanese pieris, andromeda	cultivated throughout	all classes, esp. sheep	rare
<i>Rhododendron</i> spp.	azalea, rhododendron	cult. and native throughout	all classes, esp. sheep	infrequent

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Euphorbiaceae				
<i>Aleurites</i> spp.	tung oil tree	south	cattle, horses, fowl	rare
<i>Croton</i> spp.	hogwort, croton	cult. throughout, native to southeast and tropics	cattle	rare
<i>Eremocarpus setigerus</i>	turkey mullein, dove weed	west	cattle	rare
<i>Euphorbia</i> spp.	spurge	throughout	cattle, sheep, horses	infrequent
<i>Hippomane mancinella</i>	manchineel tree	Florida	all classes	infrequent
<i>Phyllanthus abnormis</i>	spurge	Texas	cattle, also sheep, goat	occasional
<i>Reverchonia arenaria</i>	reverchonia	southwest	sheep	rare
<i>Ricinus communis</i>	castor bean, palma christi	south and west	all classes	infrequent
<i>Sapium sebiferum</i>	Chinese tallow tree	Atlantic coast, south to Calif	cattle, sheep, goats	rare
<i>Stillingia</i> spp.	queen's delight	southwest	sheep	rare
Fagaceae				
<i>Quercus</i> spp.	oak	throughout, esp. west and southwest	cattle, horses	common
Fumariaceae				
<i>Corydalis</i> spp.	fitweed, corydalis, Funitory	mainly west, occas. east	cattle, sheep, horses	rare
<i>Dicentra</i> spp. (= <i>Bikukulla</i> spp.)	staggerweed, dutchman's breeches, squirrel corn	cult. and native throughout	esp cattle, also horses	rare

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Genetianaceae <i>Centaurium</i> spp.	century, mountain pink	midwest to west	esp. sheep, also cattle and goats	rare
Gramineae (Poaceae)				
<i>Avena sativa</i>	cultivated oats	cultivated throughout	cattle, sheep	occasional
<i>Cynodon dactylon</i>	bermudagrass	throughout	cattle	infrequent
<i>Festuca arundinacea</i>	tall fescue	throughout	cattle, sheep	occasional
<i>Glyceria striata</i>	fowl mannagrass	throughout	cattle	rare
<i>Hilaria rigida</i>	galleta grass	southwest	cattle	rare
<i>Hordeum vulgare</i>	cultivated barley	cultivated throughout	swine, pets, esp. dogs	rare
<i>Lolium temulentum</i>	darnel	east and west	cattle, sheep	rare
<i>Lolium</i> spp.	ryegrass	throughout	cattle, sheep	infrequent
<i>Phalaris tuberosa</i>	canary grass, winter Harding grass	west coast and North Carolina	cattle, sheep	rare
<i>Setaria lutescens</i> (= <i>S. glauca</i>)	yellow foxtail, yellow bristle grass	throughout	cattle, horses	occasional
<i>Sorghum</i> spp.	Johnsongrass, Columbus grass, Sudan grass, sorghum	cult. and weedy throughout	esp. cattle, also sheep and horses	occasional
<i>Stipa viridula</i>	sleepy grass	north to southwest	horses	rare
<i>Stipa robusta</i> (= <i>S. vaseyi</i>)	sleepy grass	southwest	cattle, sheep	rare
<i>Zea mays</i>	corn, Indian corn, maize	cultivated throughout	cattle	rare

<u>Division/Family/Scientific name</u>	<u>Common name</u>	<u>Geographical Range</u>	<u>Animals reported to be poisoned</u>	<u>Frequency of reported cases</u>
Haemodoraceae <i>Lacnanthes tinctoria</i>	bloodwort, redroot	east	swine	rare
Hippocastanaceae <i>Aesculus</i> spp.	buckeye, horsechestnut	cult. and native throughout	all classes, esp. cattle	infrequent
Hydrangeaceae <i>Hydrangea</i> spp.	hydrangea	cultivated throughout	all classes	rare
Iridaceae <i>Iris</i> spp.	iris, flag	cult. and native throughout	cattle	rare
Juncaginaceae <i>Triglochin maritima</i>	arrowgrass, sourgrass	throughout	cattle, sheep	occasional
<i>Triglochin palustris</i>	arrowgrass, sourgrass	throughout, except southeast	cattle, sheep	infrequent
Labiatae (Lamiaceae) <i>Glechoma hederacea</i>	ground ivy, creeping charlie, gill-over-the-ground	north and east	horses	rare
<i>Perilla frutescens</i>	cowmint, beef stick plant	east	all classes, esp. cattle	infrequent
<i>Salvia reflexa</i>	annual sage, mintweed	Wisconsin to Texas	cattle	rare
Lauraceae <i>Persea americana</i>	avocado	cultivated in Calif. and Florida	all classes	infrequent
Leguminosae (Fabaceae) <i>Abrus precatorius</i>	crab's eye, precatory bean, rosary pea, jequirity bean	Florida	cattle, horses	rare
<i>Acacia</i> spp.	guajillo, acacia	southwest, Texas	cattle, sheep, goats	rare
<i>Arachis hypogaea</i>	peanut, groundnut	cultivated in south	cattle, swine, fowl	rare

<u>Division/Family/Scientific name</u>	<u>Common name</u>	<u>Geographical Range</u>	<u>Animals reported to be poisoned</u>	<u>Frequency of reported cases</u>
<i>Astragalus</i> spp.	locoweed, milkvetch, poison vetch, rattleweed	midwest and west	all classes	common
<i>Baptisia</i> spp.	false indigo, baptisia	central states	esp. horses, also cattle	rare
<i>Cassia</i> spp.	senna, coffee weed	east, southeast to southwest, tropics	all classes	rare
<i>Crotalaria</i> spp.	rattlebox, crotalaria	central to east	all classes	common
<i>Glottidium vesicarium</i>	coffee weed, bagpod, coffee bean	Florida	cattle	rare
<i>Glycine max</i>	soybean, soyabean	culti. in midwest and east	esp. cattle, also sheep and horses	rare
<i>Gymnocladus dioica</i>	Kentucky coffee bean	midwest to east	cattle, sheep, horses	rare
<i>Indiogerfa endecaphylla</i> (= <i>I. spicata</i>)	creeping indigo	tropics	cattle, sheep, horses	rare
<i>Lathyrus</i> spp.	vetch, wild pea, pea	throughout	esp. horses, also cattle and sheep	common
<i>Lespedeza stipulacea</i>	lespedeza	central to east	cattle	infrequent
<i>Leucaena glauca</i>	koa haole, lead tree	south and Hawaii	all classes	infrequent
<i>Lupinus</i> spp.	lupin, bluebonnet	throughout	esp. sheep, also cattle and horses	common
<i>Medicago sativa</i>	alfalfa, lucerne	cultivated throughout	cattle, sheep, horses,	occasional
<i>Medicago polymorpha</i> (= <i>M. hispida</i>)	burclover, trefoil	California	and swine cattle, sheep, swine	infrequent
<i>Melilotus</i> spp.	sweetclover	throughout	esp. cattle, also sheep	occasional

<u>Division/Family/Scientific name</u>	<u>Common name</u>	<u>Geographical Range</u>	<u>Animals reported to be poisoned</u>	<u>Frequency of reported cases</u>
<i>Oxytropis</i> spp.	point locoweed, point vetch	midwest and west	all classes	common
<i>Phaseolus lunatus</i>	lima bean, Java bean, Burma bean, Sieva bean, etc.	cultivated throughout	cattle	infrequent
<i>Pisum sativum</i>	garden pea	cultivated throughout	cattle, sheep, horses, and swine	infrequent
<i>Prosopis juliflora</i>	mesquite, kiawe bean	California to Texas, Hawaii	cattle	infrequent
<i>Robinia pseudoacacia</i>	black locust	throughout, esp. east	all classes, esp. cattle and horses	rare
<i>Sesbania</i> spp. (= <i>Daubentonia</i> spp.)	correeweed, coffeebean, bag-pod, rattlebrush, rattlebox, sesbane, poison bean	Gulf Coast states	cattle, sheep, goats, and fowl	occasional
<i>Sophora</i> spp.	mescal bean, silky sophoramid	west and southwest	cattle, sheep	rare
<i>Thermopsis montana</i>	goldenpea, yellow pea	west	cattle	rare
<i>Trifolium</i> spp.	clover	throughout	all classes, esp. horses	occasional
<i>Vicia villosa</i>	hairy vetch	throughout	cattle, horses, fowl	infrequent
<i>Vicia</i> spp.	vetch, fava bean	throughout	horses	rare
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Liliaceae				
<i>Allium cepa</i>	cultivated onion	cultivated throughout	cattle, horses, pets	occasional
<i>Allium</i> spp.	wild onion	throughout	cattle, sheep, horses, dogs	rare
<i>Amianthium muscaetoxicum</i>	staggergrass, fly poison, crow poison	midwest to east	cattle, sheep	occasional

<u>Division/Family/Scientific name</u>	<u>Common name</u>	<u>Geographical Range</u>	<u>Animals reported to be poisoned</u>	<u>Frequency of reported cases</u>
<i>Asparagus officinalis</i>	cultivated asparagus	cult. mainly in west	cattle	rare
<i>Colchicum autumnale</i>	autumn crocus	cultivated throughout	all classes	rare
<i>Melanthium virginicum</i>	bunchflower	central to east	cattle, sheep, horses	rare
<i>Ornithogalum umbellatum</i>	Star-of-Bethlehem, Snowdrop	midwest to east	cattle, sheep, swine	infrequent
<i>Polygonatum multiflorum</i>	Solomon's seal	cult. mainly in east	pets, esp. dogs	rare
<i>Veratrum</i> spp.	false hellebore, corn lily, skunk cabbage	throughout, esp. west	esp. sheep, also cattle and goats	occasional
<i>Zigadenus</i> spp.	death camas	west, midwest to south	esp. sheep, also cattle and horses	common
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Linaceae				
<i>Linum neomexicanum</i>	yellow pine flax	southwest	cattle, sheep	rare
<i>Linum usitatissimum</i>	flax, linseed	cultivated throughout	cattle, sheep	rare
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Loganiaceae				
<i>Gelsemium sempervirens</i>	Carolina jessamine, yellow jessamine, evening trumpetflower	south	all classes	occasional
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Loranthaceae (= Viscaceae)				
<i>Phoradendron</i> spp.	mistletoe	west	cattle, pets	rare
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Malvaceae				
<i>Gossypium</i> spp.	cotton	cultivated in south and west	cattle, sheep, swine	occasional
<i>Malva parviflora</i>	mallow, cheeseweed	throughout	horses	infrequent
<i>Modiola caroliniana</i>	ground ivy	south to west	cattle, sheep, goats	rare

<u>Division/Family/Scientific name</u>	<u>Common name</u>	<u>Geographical Range</u>	<u>Animals reported to be poisoned</u>	<u>Frequency of reported cases</u>
Meliaceae <i>Melia azedarach</i>	chinaberry tree, white cedar	south and tropics	swine	rare
Moraceae <i>Maclura pomifera</i>	osage orange	south to southwest	cattle	rare
Myoporaceae <i>Myoporum</i> spp.	myoporum, boobialla	cultivated in west	all classes	rare
Oleaceae <i>Ligustrum</i> spp.	privet	cultivated throughout	cattle, sheep, horses, dogs	rare
Oxalidaceae <i>Oxalis pes-caprae</i>	Bermuda buttercup, Bermuda, oxalis, soursob, sorrel	Florida and California	sheep	rare
Papaveraceae <i>Papaver</i> spp.	poppy	cultivated throughout	all classes	rare
Phytolaccaceae <i>Phytolacca americana</i>	pokeweed, pokeberry, scoke, garget, pigeonberry	east, south and southwest	cattle, swine	rare
Polygalaceae <i>Polygala</i> spp.	snakeroot, milkwort	throughout	horses	rare
Polygonaceae <i>Rheum rhaponticum</i>	rhubarb	cultivated throughout	all classes	infrequent
<i>Rumex</i> spp.	dock, sorrel	throughout	cattle, sheep	rare
Primulaceae <i>Anagallis arvensis</i>	scarlet pimpernel	east and west coasts	cattle, sheep	rare

<u>Division/Family/Scientific name</u>	<u>Common name</u>	<u>Geographical Range</u>	<u>Animals reported to be poisoned</u>	<u>Frequency of reported cases</u>
Ranunculaceae				
<i>Aconitum</i> spp.	monkshood, aconite	throughout	cattle, horses	infrequent
<i>Actaea rubra</i>	baneberry	throughout	cattle, sheep	rare
<i>Anemone</i> spp.	anemone, windflower, pasque	cult. throughout, native in north	cattle, sheep	rare
<i>Caltha</i> spp.	marsh marigold	throughout	cattle, horses	rare
<i>Ceratocephalus testiculatus</i>	bur buttercup	northwest	sheep	rare
<i>Delphinium</i> spp.	larkspur	mainly west, occasionally east and midwest	cattle, rarely sheep	common
<i>Ranunculus</i> spp.	buttercup, crowfoot	throughout	horses, swine, goats	rare
Rhamnaceae				
<i>Colubrina texensis</i>	hogplum	Colorado to Texas	sheep	rare
<i>Karwinskia humboldtiana</i>	coyotillo	Texas to southern California	all classes	occasional
Rosaceae				
<i>Amelanchier</i> spp.	serviceberry	throughout	cattle	rare
<i>Cercocarpus</i> spp.	mountain mahogany	west	cattle, sheep	infrequent
<i>Heteromeles arbutifolia</i>	toyon, Christmas berry	west	cattle, horses	rare
<i>Malus sylvestris</i>	apple	cultivated throughout	cattle, horses	rare
<i>Prunus virginiana</i>	chokecherry	midwest and west	all classes	common
<i>Prunus</i> spp.	wild cherry, chokecherry	cult. and native throughout	all classes	occasional

<u>Division/Family/Scientific name</u>	<u>Common name</u>	<u>Geographical Range</u>	<u>Animals reported to be poisoned</u>	<u>Frequency of reported cases</u>
Rubiaceae <i>Cephalanthus occidentalis</i>	buttonbush	throughout	cattle	rare
Rutaceae <i>Citrus</i> spp.	citrus, orange, grapefruit, etc.	cultivated throughout	swine, fowl	rare
Scrophulariaceae <i>Digitalis purpurea</i>	foxglove	cult. throughout, weed in west	all classes	rare
Solanaceae <i>Cestrum diurnum</i>	day blooming jasmine, king-of-the-day	Florida	cattle, horses	rare
<i>Datura</i> spp.	datura, thornapple, jimsonweed, apple of Peru, stramonium	cult. and native throughout	all classes	occasional
<i>Hyoscyamus niger</i>	black henbane, henbane	north	all classes	rare
<i>Lycium halimifolium</i>	matrimony vine	north	cattle, sheep	rare
<i>Lycopersicon esculentum</i>	tomato	cultivated throughout	cattle, swine	infrequent
<i>Nicotiana</i> spp.	tobacco, wild tobacco	mainly west, cult. in east	esp. horses, also cattle sheep, swine	occasional
<i>Physalis</i> spp.	groundcherry, tomatillo	throughout	sheep	rare
<i>Solanum</i> spp.	nightshade, bittersweet, potato, Jerusalem cherry, etc.	cultivated and native throughout	all classes	common

<u>Division/Family/Scientific name</u>	<u>Common name</u>	<u>Geographical Range</u>	<u>Animals reported to be poisoned</u>	<u>Frequency of reported cases</u>
Thymelaeaceae <i>Daphne</i> spp.	daphne, mezereon, cultivated throughout spurge laurel		swine	rare
Umbelliferae (Apiaceae)				
<i>Aethusa cynapium</i>	fools parsley	northeast	swine	rare
<i>Apium graveolens</i>	celery	cult. throughout, esp. west	cattle	rare
<i>Cicuta</i> spp.	water hemlock	east and west	all classes	infrequent
<i>Conium maculatum</i>	poison or spotted hemlock	throughout	all classes	rare
<i>Sium suave</i>	water or hemlock parnsip	throughout	cattle, swine	rare
<i>Sphenosciadium capitellatum</i>	whitehead	west	cattle, horses	rare
Urticaceae <i>Urtica</i> spp.	stinging nettle	throughout	pets, esp. dogs	occasional
Verbenaceae <i>Aloysia lycioides</i> (= <i>Lippia ligustrina</i>)	whitebrush	southwest	horses	infrequent
Zygophyllaceae <i>Kallstroemia hirsutissima</i>	carpetweed, hairy caltrop	southwest to Kansas	all classes, esp. cattle	rare
<i>Peganum harmala</i>	African rue	southwest	cattle	infrequent
<i>Tribulus terrestris</i>	puncture vine, caltrop	east, south to southwest	cattle, sheep, goats	rare

APPENDIX

Species Involved in Grass Tetany

Gramineae

<i>Agropyron</i> spp.	quackgrass, wheat grass
<i>Avena sativa</i>	cultivated oats
<i>Bromus mollis</i>	soft chess
<i>Dactylis glomerata</i>	orchardgrass
<i>Hordeum leporinum</i>	wild barley
<i>Hordeum vulgare</i>	cultivated barley
<i>Lolium perenne</i>	wild ryegrass, perennial ryegrass
<i>Phleum pratense</i>	timothy
<i>Secale cereale</i>	cultivated rye
<i>Triticum aestivum</i>	cultivated wheat

Species Infested with *Claviceps* spp. (ergot)

Gramineae

<i>Agropyron</i> spp.	quackgrass, wheatgrass
<i>Agrostis alba</i> (= <i>A. gigantea</i>)	redtop
<i>Bromus inermis</i>	smooth brome grass
<i>Calamagrostis</i> spp.	reed grass, bluejoint grass
<i>Dactylis glomerata</i>	orchardgrass
<i>Elymus</i> spp.	wild rye
<i>Festuca arundinacea</i>	tall fescue, rescue grass
<i>Lolium perenne</i>	wild ryegrass, perennial ryegrass
<i>Paspalum dilatatum</i>	dallisgrass
<i>Phalaris arundinacea</i>	reed canarygrass
<i>Poa</i> spp.	bluegrass
<i>Secale cereale</i>	cultivated rye